Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/22/2019 10:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124410	-1	1.95	124462	1.92
Blue	F	SSC	125000	124585	-1	1.55	125406	1.58
Blue	E	FITC	16433	16071	-3	2.76	348	19.25
Blue	D	PE	27595	27320	-1	1.97	595	13.92
Blue	B	PerCP-Cy5-5	43183	42528	-2	3.55	1140	20.03
Blue	A	PE-Cy7	31943	31884	-1	5.93	613	40.17
Red	C	APC	42819	42258	-2	2.40	1494	11.97
Red	A	APC-Cy7	31261	30403	-3	2.25	810	11.81
Violet	B	V450	6527	6298	-4	4.32	353	12.93
Violet	A	V500	24533	23522	-5	4.07	547	10.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17952	10.03	610	10	N/A	N/A	Pass
Blue	F	SSC	56705	1.17	552	4	N/A	N/A	Pass
Blue	E	FITC	64	62.06	539	0	0.0226	154	Pass
Blue	D	PE	125	48.23	536	2	0.2015	333	Pass
Blue	B	PerCP-Cy5-5	211	47.65	646	4	0.0092	16	Pass
Blue	A	PE-Cy7	113	98.84	695	6	0.0111	12	Pass
Red	C	APC	357	25.29	581	-2	0.0254	193	Pass
Red	A	APC-Cy7	178	28.86	560	-3	0.0057	1127	Pass
Violet	B	V450	54	58.74	449	-6	0.0557	2185	Pass
Violet	A	V500	82	33.36	460	-7	0.0223	659	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/22/2019 10:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.25	-31.87	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.65	13.60 - 20.40	N/A	N/A	29.52	29.92	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9829

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments